



REPLACEMENT GATE PROCESS FOR MAKING A SEMICONDUCTOR DEVICE THAT INCLUDES A METAL GATE ELECTRODE

Inventor: Uday Shah, Filing Date: March 24, 2004
Application No.: 10/809,853, Attorney Docket No.: 42P18612

1/4

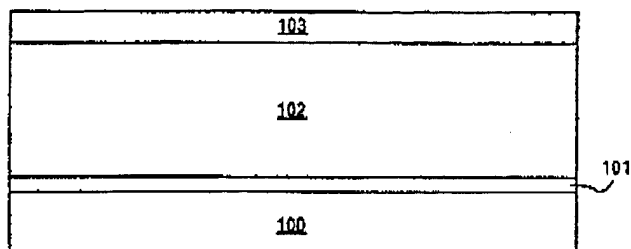


FIG. 1A

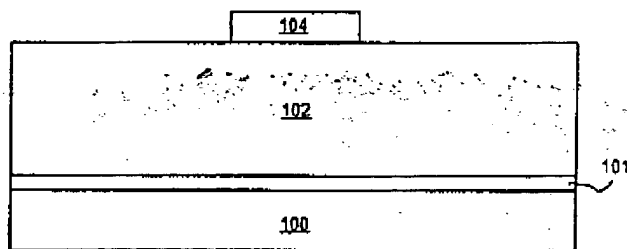


FIG. 1B

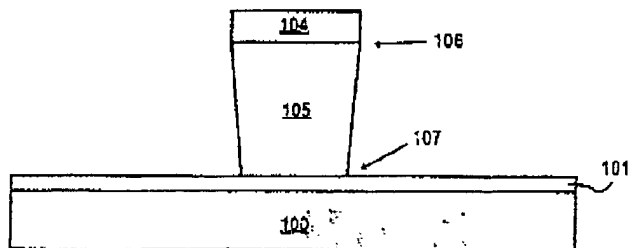
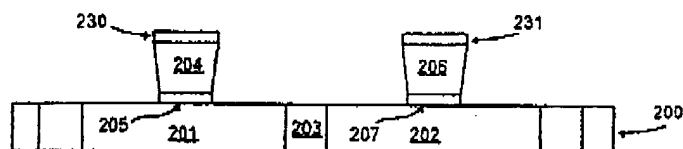
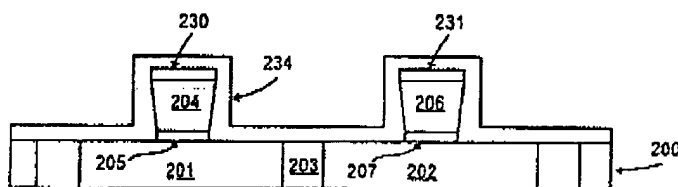
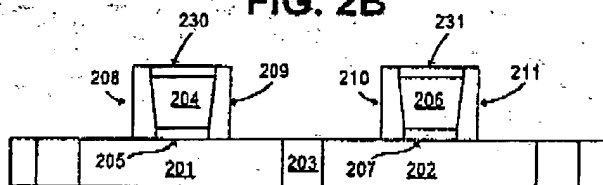
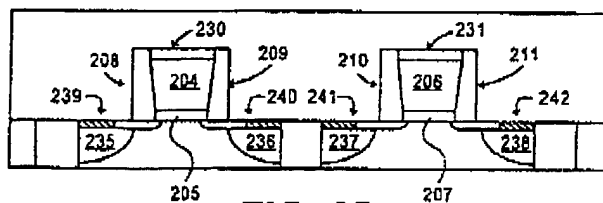


FIG. 1C

REPLACEMENT GATE PROCESS FOR MAKING A SEMICONDUCTOR DEVICE THAT INCLUDES A METAL GATE ELECTRODE

Inventor: Uday Shah, Filing Date: March 24, 2004
Application No.: 10/809,853, Attorney Docket No.: 42P18612

2/4

**FIG. 2A****FIG. 2B****FIG. 2C****FIG. 2D**

REPLACEMENT GATE PROCESS FOR MAKING A SEMICONDUCTOR DEVICE THAT INCLUDES A METAL
GATE ELECTRODE

Inventor: Uday Shah, Filing Date: March 24, 2004
Application No.: 10/809,853, Attorney Docket No.: 42P18612

3/4

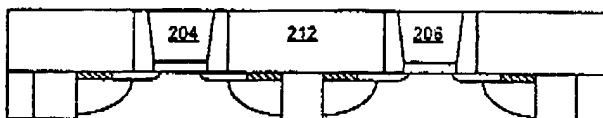


FIG. 2E

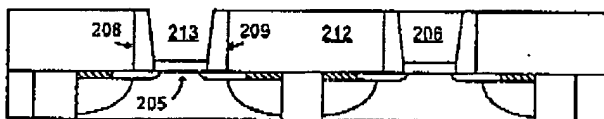


FIG. 2F

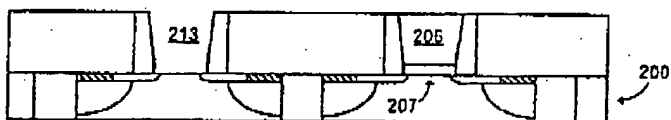


FIG. 2G

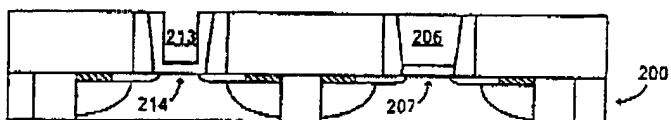
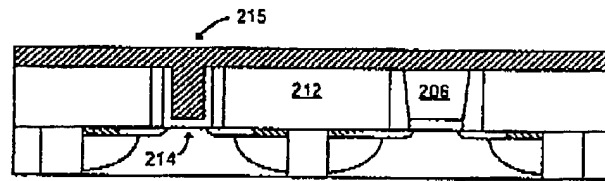
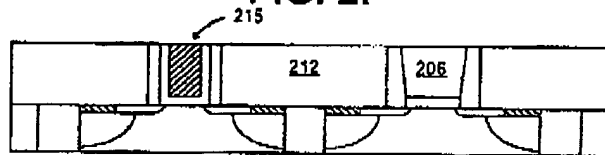
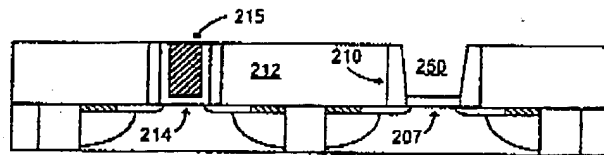
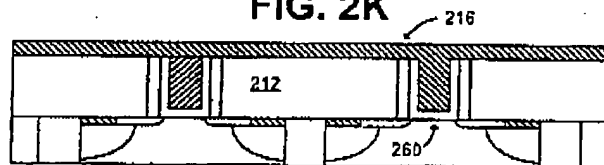
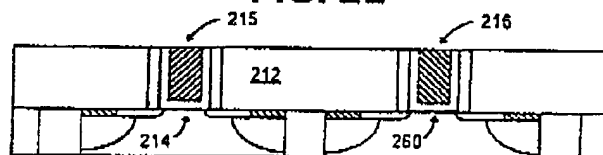


FIG. 2H

REPLACEMENT GATE PROCESS FOR MAKING A SEMICONDUCTOR DEVICE THAT INCLUDES A METAL GATE ELECTRODE

Inventor: Uday Shah, Filing Date: March 24, 2004
Application No.: 10/809,853, Attorney Docket No.: 42P18612

4/4**FIG. 2I****FIG. 2J****FIG. 2K****FIG. 2L****FIG. 2M**